

Amendments to the Claims:

1. (Cancelled)

2. (Currently Amended) The medical measuring system as claimed in claim ~~[[1]]~~ 11, wherein the at least one mobile measuring apparatus signals the quality of the measuring signals acoustically to a wearer of the mobile measuring apparatus.

3. (Currently Amended) The medical measuring system as claimed in claim ~~[[1]]~~ 11, wherein the at least one mobile measuring apparatus further includes:

an optical indicator which provides an optical indication to a wearer
5 indicative of the quality of the measuring signal generated by the sensor.

4. (Currently Amended) The medical measuring system as claimed in claim ~~[[3]]~~ 11, wherein the at least one mobile measuring apparatus includes:

a light with a plurality of colors, each color being associated with a predetermined range of the sensor measuring signal quality to indicate when the
5 quality of the sensor measuring signals is in each correspondingly predetermined range.

5. (Previously Presented) The medical measuring system as claimed in claim 4, wherein the light has three different colors, a first of the colors being indicative of a poor quality of the measuring signals generated by the sensor, a second of the colors being indicative of a medium quality of the measuring signals and a third
5 of the colors being indicative of a high quality of the measuring signals.

6. (Currently Amended) The medical measuring system as claimed in claim ~~[[1]]~~ 11, wherein the at least one mobile measuring apparatus signals the quality of the measuring signals automatically.

7. (Previously Presented) The medical measuring system as claimed in claim 6, wherein the at least one mobile measuring apparatus signals the quality of the measuring signals when the sensor is placed on another measuring site of a patient wearing the mobile measuring apparatus.

8. (Currently Amended) The medical measuring system as claimed in claim ~~[[1]]~~ 11, wherein the at least one mobile measuring apparatus signals the quality of the measuring signals when a substantial change in the quality of the measuring signals is detected.

9. (Currently Amended) The medical measuring system as claimed in claim ~~[[1]]~~ 11, wherein the at least one measuring apparatus is designed to signal the quality of the measuring signals on demand.

10. (Currently Amended) The medical measuring system as claimed in claim ~~[[1]]~~ 11, wherein the at least one mobile measuring apparatus signals the quality of the measuring signals in response to the quality of the measurement signal from at least one of the sensors falling below a predetermined signal quality.

11. (Currently Amended) ~~[[The]]~~ A medical measuring system as ~~claimed in claim 1, wherein comprising:~~

a data device including a display screen for displaying at least one of medical measurement values and graphs;

5 at least one mobile measuring apparatus which communicates wirelessly with the data device via a wireless communication signal, the mobile measuring apparatus including at least one sensor for generating a measuring signal indicative of physiological data of a patient, the sensor communicating the measuring signal to the mobile measuring apparatus and the mobile measuring apparatus
10 communicating the physiological data to the data device via the wireless communication signal,

wherein the at least one mobile measuring apparatus signals a quality of the measuring signals generated by the at least one sensor, the at least one mobile

measuring apparatus ~~signals~~ signaling the quality of the measuring signals on the
15 basis of an evaluation of one or more of perfusion index, transmission level,
interference level, and signal form.

12. (Currently Amended) The medical measuring system as claimed
in claim ~~[[1]]~~ 11, wherein the at least one sensor includes a pulsoximeter, an ECG
recorder or ultrasound measuring head.

13. (Currently Amended) A medical measuring system comprising:
at least one measuring apparatus including:

one or more sensors designed to contact a portion of a
patient to measure physiological patient data and transfer the measured
5 physiological patient data to the measuring apparatus to be wirelessly
transmitted, ~~[[; and]]~~

an evaluating means for evaluating the measured
physiological patient data to determine a quality of the measured
physiological patient data, and

10 a signaling means for signaling the quality of the
measured physiological patient data; and

a measurement display apparatus that displays physiological patient
data generated by the one or more sensors, the physiological patient data being
wirelessly transferred from the at least one measuring apparatus ~~[[;]]~~

15 ~~wherein the at least one measuring apparatus includes:-~~

~~a means for determining a quality of the measured~~
~~physiological patient data; and~~

~~a means for signaling the quality of the measured~~
~~physiological patient data.~~

14. (Currently Amended) The medical measuring device of claim 13, wherein the signaling means for signaling the signal quality in response to the determined signal quality being below a threshold generates at least one of:

5 an acoustic signal to a wearer of the measuring apparatus, and
 an optical signal via a light mounted on the measuring apparatus.

15. (Cancelled)

16. (Currently Amended) A medical measurement device comprising at least one measurement apparatus including a means for wirelessly transmitting medical data to a remote site, one or more sensors for measuring medical data, and a means for determining a quality of the measured medical data from the measured
5 medical data and a means for signaling ~~[[a]]~~ the signal quality of the measured medical data.

17. (Previously Presented) The medical measuring device of claim 16, wherein the means for signaling the signal quality generates an acoustic signal.

18. (Previously Presented) The medical measuring device of claim 16, wherein the means for signaling the signal quality generates an optical signal.

19. (Previously Presented) The medical measuring device of claim 16, in combination with a measurement display device at the remote site which measurement display device receives the wirelessly transmitted medical data and displays at least a portion of the received medical data.

20. (Previously Presented) The medical measuring device of claim 16, wherein the quality signal is humanly perceivable only locally adjacent the medical measurement apparatus and not at the remote site.

21. (New) The medical measuring device of claim 16, wherein the evaluating and determining means evaluates the measured medical data for one or more of a transmission level, an interference level, and a signal form to determine the quality of the measured medical data.

22. (New) The medical measuring system of claim 13, wherein the evaluating means evaluates the measured physiological patient data based on at least one of a transmission level, an interference level, and a form of a signal which carries the measured physiological patient data.